FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket ivo. P2533C1

Applicant
Botstein et al.

Filing Date 25 Aug 2000 Serial No.

Group? 2 2007

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

				U.S. PATENT DOCUMENTS		Ran	ESTATIN OFT
Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
DX	* _1_	4,339,441	13.07.82	Kalman et al.	424-	-177	
Ø	* 2	4,900,811	13.02.90	Sutcliffe, J.	<u>-5-3-a-</u>	. 324	
B	* 3	4,923,696	08.05.90	Appel et al.	435	29%	
Þ	* 4	5,017,375	21.05.91	Appel_et_al	424	700]
3	* 5	5,141,856	25.08.92	Collins_et_al	733	691	
ß	* 6	5,166,317	24.11.92	Wallace et al.	43 6	3585	
\$2	* 7	5,202,428	13.04.93	Schubert	435 8	320	0
3	* 8	5,206,007	27.04.93	Ooshima et al.	424	39	Capatrian and management and popular
Ď	* 9	5,210,026	11.05.93	Kovesdi et al.	435	68/	
K.	* 10	5,214,031	25.05.93	Uchida	514	12	,
Ŋ	* 11	5,215,969	01.06.93	Springer et al.	514	2(
٤٦	* 12	5,218,094	08.06.93	della Valle	530	417	
STONE STONE	* 13	5,242,798	07.09.93	Sutcliffe	435	7.1	
$\mathcal{L}_{\mathcal{L}}$	* 14	5,250,414	05.10.93	Schwab et al.	435	7.72	to make a make a to come to be
€ 1	* 15	5,284,932	08.02.94	Sen	5 30	324	
Q	* 16	5,545,806	13.08.96	Lonberg et al.	800		
R	* 17	5,545,807	13.08.96	Surani et al.	Soo	2	
W. W.	* 18	5,569,825	29.10.96	Lonberg et al.	800	2	
%) -	* 19	5,571,675	05.11.96	Baker et al.	435	4	
۶Ş	* 20	5,571,893	05.11.96	Baker et al.		350	
政务等区路	* 21	5,624,806	29.04.97	Baker et al.	530 435	7.1	
	* 22	5,625,126	29.04.97	Lonberg et al.	800	2,	
	* 23	5,627,073	06.05.97	Baker et al.	435	331	
	* 24	5,633,425	27.05.97	Lonberg et al.	800	Σ.	
	* 25	5,661,016	26.08.97	Lonberg et al.	435	172:3	
1	* 26	5,679,545	21.10.97	Baker et al.	435	69.1	
						L .	

FOREIGN PATENT DOCUMENTS

Examiner Initials			Document Number	Date	Country	Class	Subclass	Transla Yes	ation No
20	*	27	233,838	26.08.87	EPO				
1 1	*	28	474,979	18.03.92	ЕРО				
P	*	29	476,933	25.03.92	EPO				
3	*	30	4,169,600A	17.06.92	JAPAN			~V.	
-	*	31	55-020721A	14.02.80	JAPAN			~	
RES	*	32	WO 90/09399	23.08.90	PER WIPO	<u> </u>			
12	*	33	WO 92/11026	09.07.92	WIBO				
					1		1		

Examiner

Bfahll

Date Considered

4/22/02

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce

Atty Docket No. P2533C1 ' Patent and Trademark Office

Serial No. 09/649,1810

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant Botstein et al.

Filing Date 25 Aug 2000 Gro

FOREIGN PATENT DOCUMENTS

xaminer nitials			Document Number	Date		Country	Class	Subclass	Transla Yes	ition No
(A)	*	34	WO 92/18140	29.10.92	PCF (WIPO			- 1	
P	* :	35	WO 92/20797	26.11.92	₽CT ;	NIPO			-	
E	* :	36	WO 92/22665	23.12.92	Per /	NIPO		7		
Ð	* :	37	WO 93/03758	04.03.93		WAPO		3 3		
Ð	* ;	38	WO 93/06116	01.04.93		WIPO	<u> </u>	Eg &		
S TO	* :	39	WO 93/07270	15.04.93		4110	ļ	CEN 25	-	,
Ø	* .	40	WO 93/18065	16.09.93	1.01	WARD		4 3	-alegy	/
Ž	*.4	41	WO 93/18186	16.09.93	PCT	Wif O	,	- SE	~~	
E	* 4	42	WO 93/24529	09.12.93	PCT	WIDO	 	190	,	
2152	* 4	43	WO 94/05788	17.03.94	Dep. —	WIPO			-abs.n	f ·
1	* 4	44	WO 97/30146	21.08.97	PCT	WIRD	} ——			•
Ø	* 4	45	WO 99/00415	07.01.99	PCT	WIDE				
			•						<u> </u>	

	OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)					
\$	*		Acland et al., "Subcellular fate of the Int-2 oncoprotein is determined by choice of initiation codon" <u>Nature</u> 343:662-665 (1990)			
\$	*	47	Alitalo and Schwab, "Oncogene amplification in tumor cells" <u>Advances in Cancer Research</u> 47:235-281 (1986)			
8	*	48	Bazan, J.F., "Neuropoietic Cytokines in the Hematopoietic Fold" Neuron 7:197-208 (Aug 1991)			
3	*	49	Boheler et al., "Gene Expression in Cardiac Hypertrophy" TCM 2(5):176-182 (1992)			
18	*	50	Burgess et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue" <u>Journal of Cell Biology</u> 111:2129-2138 (1990)			
\$	*		Chen et al., "Pharmacological Characterization of the Activity of Endogenous Inotropic Factor from Porcine Left Ventricle" <u>J. Cardiovas. Pharmacol.</u> 22(Suppl. 2):S93-S95 (1993)			
Ø	*		Chien et al., "Regulation of Cardiac Gene Expression During Myocardial Growth and Hypertrophy: Molecular Studies of an Adaptive Physiologic Response" <u>FASEB Journal</u> 5:3037-3046 (1991)			
Ź	*	53	Chien et al., "Transcriptional Regulation During Cardiac Growth and Development" <u>Annu. Rev. Physiol.</u> 55:77-95 (1993)			
7	*	54	Chien, K.R., "Molecular Advances in Cardiovascular Biology" <u>Science</u> 260(5110):916-917 (May 14, 1993)			
18.	_		Davis et al "The Molecular Biology of the CNTF Recentor" Current Opinion in Cell Biology 5:281-285			

55 (1993)

Fishwild et al., "High-avidity human IgGк monoclonal antibodies from a novel strain of minilocus transgenic mice" Nature Biotechnology 14(7):845-851 (Jul 1996) Frelin, "Serum Growth Factors for Rat Cardiac Non-Muscle Cells in Culture" J. Molec. and Cell. Cardiol.

Examiner

12:1329-1340 (1980)

Date Considered 4/22/02

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<u></u>	?	·		Sheet 3 of 5			
FORM	I PTO-	U.S. Dept. of Commerce	Atty Docket No.	Serial No			
		Patent and Trademark Office	P2533C1	09/648,189			
LIST	OF DI	SCLOSURES CITED BY APPLICANT	Applicant Botstein et al.	B MAY 22			
(1	Jse sev	reral sheets if necessary)	Filing Date	G G			
25 Aug 2000							
		OTHER DISCLOSURES (Including Author, Title, Date,	• • •	EMARK OYC			
B	* 58	Gelmini et al., "Quantitative polymerase chain reaction-based homogeneous assay with fluorogenic pro to measure c-erbB-2 oncogene amplification" <u>Clinical Chemistry</u> 43(5):752-758 (May 1997)					
B	* 59	Gray et al., "Fluorescence in situ hybridization in cancer and radiation biology" <u>Radiation Research</u> 137(3):275-289 (Mar 1994)					
8	* 60	Grimm et al., "Ventricular Nucleic Acid and Protein Levels with Res. XIX:552-558 (1966)					
\S\	* 61	Iwaki tkb et al., " α - and β -Adrenergic Stimulation Induces Dist. Expression in Neonatal Rat Myocardial Cells" <u>Journal of Biologic</u> 15, 1990)		-			
15	* 62	Jones et al., "Association Between Inhibition of Arachidonic Adic Release and Prevention of Calcium Loading During ATP Depletion in Cultured Rat Cardiac Myocytes" <u>American Journal of Pathology</u> 135(3):541-556 (1989)					
Ş	* 63	Kanda et al., "An Interleukin-6 Secreting Myxoma in a Hypertrophic Left Ventricle" <u>Chest</u> 105(3):962-963 (1994)					
B	* 64	Karasik et al, "Growth Factors Identified in Myocardium of Patients with Hypertrophic Cardiomyopathy" <u>JACC</u> (abstract) 13(2):118A (1989)					
	* 65	Kishimoto et al., "Cytokine Signal Transduction" <u>Cell</u> 76:253-262 (Jan 28, 1994)					
\$	* 66	Kitamura et al., "Multimeric Cytokine Receptors" <u>Trends Endocrinol. Metabol.</u> 5(1):8-14 (1994)					
B	* 67	Knowlton et al., "Co-Regulation of the Atrial Natriuretic Factor and Cardiac Myosin Light Chain-2 Genes During α-Adrenergic Stimulation of Neonatal Rat Ventricular Cells" <u>Journal of Biological Chemistry</u> 266(12):7759-7768 (April 25, 1991)					
\$	* 68	Knowlton et al., "The α_{1a} -Adrenergic Receptor Subtype Mediates Biochemical, Molecular, and Morphologic Features of Cultured Myocardial Cell Hypertrophy" <u>Journal of Biological Chemistry</u> 268(21):15374-15380 (Jul 25, 1993)					
B	* 69	Lazar et al., "Transforming Growth Factor α: Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities" <u>Molecular & Cellular Biology</u> 8(3):1247-1252 (Mar. 1988)					
8	* 70	Lee et al., "Atrial Natriuretic Factor Gene Expression in Ventricles of Rats with Spontaneous Biventricular Hypertrophy" <u>J. Clin. Invest.</u> 81:431-434 (1988)					
13	* 71	Lee et al., "α1-Adrenergic Stimulation of Cardiac Gene Transcription in Neonatal Rat Myocardial Cells" Journal of Biological Chemistry 263(15):7352-7358 (1988)					
\$	* 72	Libby, P., "Long-Term Culture of Contractile Mammalian Heart Cells in a Defined Serum-Free Medium that Limits Non-Muscle Cell Proliferation" <u>Journal of Molecular and Cellular Cardiology</u> 16:803-811 (1984)					
KS	* 73	Lin et al., "Structure Function Relationships in Glucagon: Properties of Highly Purified Des-His ¹ -, Monoido-, and [Des-Asn ²⁸ , Thr ²⁹](homoserine lactone ²⁷)-glucagon" <u>Biochemistry</u> 14(8):1559-1563 (1975)					
B	* 74	Lonberg and Huszar, "Human antibodies from transgenic mice" <u>Inte</u> 13(1):65-93 (1995)	Lonberg and Huszar, "Human antibodies from transgenic mice" <u>International Reviews of Immunology</u> 13(1):65-93 (1995)				
B	* 75	Lonberg et al., "Antigen-specific human antibodies from mice comprising four distinct genetic modifications" Nature 368(6474):856-859 (Apr 28, 1994)					

Long et al., "A Growth Factor for Cardiac Myocytes is Produced by Cardiac Nonmyocytes" Cell Regulation 2:1081-1095 (Dec 1991) * 76 Long et al., "Trophic Factors in Cardiac Myocytes" <u>J. Hyper.</u> 8(Suppl. 7):S219-S224 (1990)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 66 398.

FORM	PTO-1449

U.S. Dept. of Commerce

Patent and Trademark Office

Atty Docket No. P2533C1

Applicant

Filing Date

25 Aug 2000

Botstein et al.

Serial No

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) Long et al., "B-Adrenergic Stimulation of Cardiac Non-myocytes Augments the Growth-promoting Activity of 9> Non-myocyte Conditioned Medium" <u>J. Mol. Cell. Cardiol.</u> 25:915-925 (1993) 78 Long, "TGF β Isoform Expression and Effect in Neonatal Rat Cardiac Myocytes and Non-myocytes in Culture" B Circulation (Abstracts from the 65th Scientific Sessions) 86:I-837 (1992) * 79 Marks et al., "By-passing immunization: building high affinity human antibodies by chain shuffling" 6 Bio/Technology 10:779-783 (1992) * 80 McCormick et al., "Myofibrillar and Nonmyofibrillar Myocardial Proteins of Copper Deficient Rats" J. Nutr. (Minerals and Trade Elements) 119:1683-1690 (1989) * 81 McDonald et al., "Expression and Characterization of Recombinant Human Ciliary Neurotrophic Factor from 8 Escherichia coli" <u>Biochimica et Biophysica Acta</u> 1090:70-80 (1991) * 82 Miller-Hance et al., "In Vitro Chamber Specification During Embryonic Stem Cell Cardiogenesis. 15 Expression of the ventricular myosin light chain-2 gene is independent of heart tube formation" The <u>Journal of Biological Chemistry</u> 268(33):25244-25252 (Nov 25, 1993) "Isolation of a Negative Inotropic Factor from Blast Cells of Patients with Leukaemic Cardiomyopathy" <u>Circulation</u> (abstract 324) 55 & 56(Suppl. III):III-86 (1977) Mir, "Evidence for Non-Infiltrative Neoplastic Cardiomyopathy and Presence of Negative Inotropic Factor () in Acute Myeloid Leukaemia: A Clinico-Experimental Study" British Heart J. 39(3):355 (1977) * 85 Morrison, S., "Immunology. Success in specification" Nature 368(6474):812-813 (Apr 28, 1994) * 86 Mukherjee et al., "Effect of Myotrophin on Induction of Proto-Oncogenes, ANF and Contractile Element Transcript Levels "Circulation 86(4 (Suppl. I)): I-626 (1992) * 87 Mukherjee et al., "Myotrophin Induces Early Response Genes and Enhances Cardiac Gene Expression" Hypertension 21(2):142-148 (1993) * 88 Ø Neben et al., "The Biology of Interleukin 11" Stem Cells 11(Suppl. 2):156-162 (1993) * 89 Neuberger, M., "Generating high-avidity human Mabs in mice" Nature Biotechnology 14(7):826 (Jul 1996) 8 * 90 Patterson, "The Emerging Neuropoietic Cytokine Family: First CDF/LIF, CNTF and IL-6; next ONC, MGF, Ø * 91 GCSF?" Curr. Opin. Neurobiol. 2:94-97 (1992) Pennica et al., "Expression cloning of cardiotrophin 1, a cytokine that induces cardiac myocyte hypertrophy" Proc. Natl. Acad. Sci. USA 92:1142-1146 (1995) * 92 Pennica et al., "Human Cardiotrophin-1: Protein and Gene Structure, Biological and Binding Activities, 仫 and Chromosomal Localization" Cytokine 8(3):183-189 (1996) * 93 Ramaciotti et al., "Cardiac Endothelial Cells Modulate Contractility of Rat Heart in Response to Oxygen

Robbins et al., "Mouse Embryonic Stem Cells Express the Cardiac Myosin Heavy Chain Genes During Development in Vitro" <u>Journal of Biological Chemistry</u> 265(20):11905-11909 (1990)

* 96

Rockman et al., "Segregation of Atrial-Specific and Inducible Expression of an Atrial Natriuretic Factor Transgene in an in vivo Murine Model of Cardiac Hypertrophy" Proc. Natl. Acad. Sci. USA 88:8277-8281 Sadoshima et al., "Autocrine Release of Angiotensin II Mediates Stretch-Induced Hypertrophy of Cardiac

3 Myocytes in Vitro" Cell 75:977-984 (1993)

Examiner

Tension and Coronary Flow" <u>Circ. Res.</u> 72(5):1044-1064 (1993)

Date Considered

4/22/02

if not in conformance and not considered. Include copy of this form with next communication to applicant.

№ СОММ-DC 80-398

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation

, ,	_			Sheet <u>5</u> of <u>5</u>			
FORM	I PTO-1	449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.			
LIST	OF DIS	Patent and Trademark Office	P2533C1 Applicant	09/6/30 18:70			
		eral sheets if necessary)	Filing Date 25 Aug 2000	Boup (632 2001 N			
		OTHER DISCLOSURES (Including Author, Title, Date,	Pertinent Pages, etc.)	PADEMARKOTT			
B	* 98	Sarzani et al., "Regulation of Cardiac Growth Factors and Growt Growth Hormone" <u>European Heart Journal</u> (abst. suppl.) 13:326 (1	-	ne Expression by			
· U	* 99	Schwab and Amler, "Amplification of cellular oncogenes: a predi <u>Genes, Chromosomes & Cancer</u> 1(3):181-193 (Jan 1990)	ctor of clinical outc	ome in human cancer			
O	*100	Schwartz et al., "A superactive insulin: [B10-Aspartic acid]ins 84:6408-6411 (September 1987)	ulin(human)" <u>Proc. Na</u>	tl. Acad. Sci. USA			
l)	*101	Seaver, "Monoclonal Antibodies in Industry: More Difficult Than Originally Thought" <u>Genetic Engineering</u> NewsAugust 1994:10 and 21 (1994)					
Q	*102	Sen et al., "Basic Science/Circulation: Myocardial Structure and Pathology-Hypertrophy" <u>Circulation</u> 80((Suppl. II)):II-616 (1989)					
U	*103	Sen et al., "Myotrophin: Purification of a Novel Peptide from Spontaneously Hypertensive Rat Heart That Influences Myocardial Growth" <u>Journal of Biological Chemistry</u> 265(27):16635-16643 (1990)					
ls)	*104	Shubeita et al., "Endothelin Induction of Inositol Phospholipid Hydrolysis, Sarcomere Assembly, and Cardiac Gene Expression in Ventricular Myocytes. A paracrine mechanism for myocardial cell hypertrophy" Journal of Biological Chemistry 265(33):20555-20562 (Nov 25, 1990)					
6	*105	Sil et al., "Myotrophin in Human Cardiomyopathic Heart" Circ. Res. 73(1):98-108 (1993)					
Ø	*106	Sil et al., "Purification of Myotrophin from Human Cardiomyopathic Heart" <u>FASEB J.</u> 5(5991):A1244 (1991)					
Ø	*107	Sil et al., "Role of Myotrophic in Pathophysiology of Cardiac Hypertrophy in Spontaneously Hypertensive Rat (SHR)" <u>Circulation</u> 88(4, part 2):I-613 (1993)					
1	*108	Simpson et al., "Differentiation of Rat Myocytes in Single Cell Cultures with and without Proliferating Nonmyocardial Cells. Cross-striations, ultrastructure, and chronotropic response to isoproterenol Circulation Research 50(1):101-116 (Jan 1982)					
U	*109	Simpson et al., "Myocyte Hypertrophy in Neonatal Rat Heart Cultures and Its Regulation by Serum and by Catecholamines" <u>Circulation Research</u> 51(6):787-801 (Dec 1982)					
Ø	*110	Suzuki et al., "Serum-Free, Chemically Defined Medium is Import. Development and Function of Neonatal Rat Cardiac Myocytes in Cu Technology, Murakami (ed.), Tokyo:Kodansha pps. 61-66 (1990)					
D	*111	Takemura et al., "Expression and Distribution of Atrial Natriur Ventricle of Hypertensive Hearts and Hearts with Hypertrophic C (1991)	-				
\$	*112	Williams et al., "Cardiovascular Growth Factors" <u>The Heart and Cardiovascular System</u> , Fozzard et al. (eds.), New York:Raven Press, Chapter 72, pps. 1 (1986)					

Examiner

Date Considered

4/22/02

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.